BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer-Yelahanka Division

Detailed Combined Estimate

Name of Work :-Developments of roads and drains at Venkatala, Kenchenahalli, Nagenahalli, Harohalli village and Drilling of borewells and providing pipe line at SC/ST areas in ward no:01 and 02 of Yelahanka Division (Package no:08)

					Est Cost:-			50000000.00	
Sl. No.	Description of item	Rate	Unit	Nos	Dimension			Rate in Rs	Amount in Rs
					L(m)	B (m)	D(m)		
1.00	KSRRB 300 - Excavation for road, drains and similar works - KSRRB 300-1 Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications. MORTH Chapter 3 (Page No.143 & Item No-19.1)								
	Desilting	Cum							
	Venkatala Main Road LHS and RHS		1.00	190.00	0.60	0.60	68.40		
	Janatha Colony Area Cross Roads		1.00	1020.00	0.60	0.60	367.20		
	1st Main Road		1.00	192.00	0.60	0.60	69.12		
	1st Cross Road		2.00	110.00	0.60	0.65	85.80		
	2nd Cross Road LHS and RHS		1.00	250.00	0.60	0.60	90.00		
	3rd Cross Road LHS and RHS		1.00	220.00	0.60	0.60	79.20		
	Nagenahalli Village LHS		1.00	40.00	0.60	0.60	14.40		
	Nagenahalli Temple Road		1.00	36.00	0.60	0.60	12.96		
	Bar Raod		2.00	180.00	0.60	0.60	129.60		
	Harohalli Cross Roads		2.00	120.00	0.60	0.60	86.40		
	debris		6.00	15.00	3.00	0.60	162.00		
			5.00	10.00	3.50	0.75	131.25		
					Total Qty		**1296.33**	137.80	**178634.00**
	Basic Rate	130.00							
	Area Weightage @ 6%	7.80							
	Total	**137.80**							
2.00	KSRRB M300-19. Removal of unserviceable soil including excavation, loading and disposal but excluding replacement by suitable soil which shall be paid separately as per clause 300.5 complete as per specifications. MORTH Specification No. 301 (Page No.143 & Item No-19.1)								
	Removal of Debris	Cum							
	at Kerekodi Road		10.00	30.00	3.50	0.75	787.50		
	Janatha Colony		12.00	10.00	3.15	0.80	302.40		
	Cross Roads and Main Roads		6.00	25.00	4.00	0.60	360.00		
	Cross Roads and Main Roads		5.00	15.00	3.00	0.80	180.00		
	Railway Compound parallel Road		10.00	12.00	3.50	0.60	252.00		
			8.00	8.00	3.00	0.60	115.20		
					Total Qty		**1997.10**	34.98	**69859.00**
	Basic Rate	33.00							
	Area Weightage @ 6%	1.98							
	Total	**34.98**							
3.00	KSRRB M200-24. Dismantling of cement concrete pavement by mechanical means using pneumatic tools, breaking to pieces not exceeding 0.02 cum in volume and stock piling at designated locations and disposal of dismantled materials stacking serviceable and unserviceable materials seperately complete as per specifications. MORTH Specification No. 202 (Page No.140 & Item No-18.47)								
	for CC Roads	Cum							
	Jayamuni Cross Road.1		1.00	36.00	2.30	0.30	24.84		
	Jayamuni Cross Road.2		1.00	35.00	2.20	0.30	23.10		

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	Jayamuni Cross Road.6		1.00	33.00	2.30	0.30	22.77		
	Jayamuni Cross Road.7		1.00	34.00	2.30	0.30	23.46		
	Jayamuni Cross Road.8		1.00	31.00	2.50	0.30	23.25		
	Jayamuni Cross Road.9		1.00	32.00	2.60	0.30	24.96		
	Service Road Cross		1.00	15.00	2.50	0.30	11.25		
	Temple Road		1.00	150.00	3.50	0.30	157.50		
	Cross Roads		1.00	18.00	4.00	0.30	21.60		
	Cross Roads		1.00	18.00	4.00	0.30	21.60		
	Cross Roads		1.00	18.00	4.00	0.30	21.60		
	Cross Roads		1.00	18.00	4.00	0.30	21.60		
	Venkatala village Road		1.00	56.00	2.90	0.30	48.72		
	1st Cross Road		1.00	180.00	4.50	0.30	243.00		
	2nd Cross Road		1.00	90.00	3.00	0.30	81.00		
	1st Cross Road		1.00	110.00	4.00	0.30	132.00		
	Sub Cross Venkatesh House Road		1.00	20.00	8.00	0.30	48.00		
	Harohalli Village Road		1.00	40.00	2.00	0.30	24.00		
	Cross Road 1		1.00	56.00	3.00	0.30	50.40		
	Cross Road 2		1.00	40.00	3.50	0.30	42.00		
	Cross Road 3		1.00	80.00	3.00	0.30	72.00		
	Cross Road 4		1.00	10.00	2.00	0.30	6.00		
	Cross Road of Nagenahalli Main		1.00	180.00	4.00	0.30	216.00		
	Nagenahalli Village LHS Side		1.00	110.00	3.50	0.30	115.50		
					Total Qty		**1476.15**		
	Deduct 30% of Void Portion (Road Cuttings, Pot Holes and Dilapidated Portion)						442.85		
					Net Qty		**1033.31**	952.94	**984677.67**
	Basic Rate	899.00							
	Area Weightage @ 6%	53.94							
	Total	**952.94**							
4.00	KSRRB 300 - Excavation for road, drains and similar works - KSRRB 300-1. Earthwork excavation by manual means in **hard soil** involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications. MORTH Chapter 3 (Page No.143 & Item No-19.2)								
	for New Rcc Drains	Cum							
	Car Garage Road		2.00	25.00	1.00	1.00	50.00		
	Cross Road B (MARQ Masjid) of 5th		2.00	32.00	1.00	1.00	64.00		
	Well Area Cross Road 1		1.00	33.00	1.00	1.00	33.00		
	Well Area Cross Road 2		1.00	34.00	1.00	1.00	34.00		
	Well Area Cross Road 3		1.00	31.00	1.00	1.00	31.00		
	Well Area Cross Road 4		1.00	45.00	1.00	1.00	45.00		
	Jayamuni Layout Well road		2.00	175.00	1.10	1.00	385.00		
	Jayamuni Layout Well Area Cross		1.00	95.00	1.00	1.00	95.00		
	for RCC Culverts		12.00	4.00	1.30	1.00	62.40		
	Kenchenahalli Village		2.00	90.00	1.00	1.00	180.00		
	for RCC Culverts		7.00	4.00	1.30	1.00	36.40		
	Harohalli Village LHS & RHS		2.00	40.00	1.00	1.00	80.00		
	for RCC Culverts		3.00	6.00	1.30	1.20	28.08		
					Total Qty		**1123.88**	189.74	**213245.00**
	Basic Rate	179.00							
	Area Weightage @ 6%	10.74							
	Total	**189.74**							

00	KSRRB M300-14. Excavation for roadwork in all types of soil by mechanical means including cutting and loading to tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transportation with a lead of 1.00 km and complete as per specifications. MORTH Specification No.301 (P.No.143/ Item No.19.14)								
	for CC Roads	Cum							
	Jayamuni Cross Road.1		1.00	36.00	2.30	0.45	37.26		
	Jayamuni Cross Road.2		1.00	35.00	2.20	0.45	34.65		
	Jayamuni Cross Road.6		1.00	33.00	2.30	0.45	34.16		
	Jayamuni Cross Road.7		1.00	34.00	2.30	0.45	35.19		
	Jayamuni Cross Road.8		1.00	31.00	2.50	0.45	34.88		
	Jayamuni Cross Road 9		1.00	32.00	2.60	0.45	37.44		
	Service Road Cross		1.00	15.00	2.50	0.45	16.88		
	Temple Road		1.00	150.00	3.50	0.45	236.25		
	Cross Roads		1.00	18.00	4.00	0.45	32.40		
	Cross Roads		1.00	18.00	4.00	0.45	32.40		
	Cross Roads		1.00	18.00	4.00	0.45	32.40		
	Cross Roads		1.00	18.00	4.00	0.45	32.40		
	Venkatala village Road		1.00	56.00	2.90	0.45	73.08		
	New Road Janatha Colony		1.00	175.00	5.00	0.60	525.00		
	Kerekodi Road (Road cut Portion)		1.00	310.00	1.20	0.45	167.40		
	Edges of drain		1.00	310.00	0.60	0.45	83.70		
	Cross Road C of 5th Cross		1.00	25.00	4.00	0.45	45.00		
	Cross Road B (MARQ Masjid) of 5th		1.00	32.00	4.50	0.45	64.80		
	kerekodi road (New Portion)		1.00	20.00	4.00	0.60	48.00		
	for CC Roads, Harohalli								
	1st Cross Road		1.00	180.00	4.50	0.45	364.50		
	2nd Cross Road		1.00	90.00	3.00	0.45	121.50		
	Harohalli Circle		1.00	110.00	4.00	0.45	198.00		
	Harohalli Village Road		1.00	20.00	8.00	0.45	72.00		
	Pavan Redidancy		1.00	40.00	2.00	0.45	36.00		
	Srinidhi Layout		1.00	192.00	4.80	0.45	414.72		
	for CC Roads								
	Cross Road 1		1.00	56.00	3.00	0.45	75.60		
	Cross Road 2		1.00	40.00	3.50	0.45	63.00		
	Cross Road 3		1.00	80.00	3.00	0.45	108.00		
	Cross Road 4		1.00	10.00	2.00	0.45	9.00		
	Cross Road 5		1.00	40.00	6.00	0.45	108.00		
	Cross Road of Nagenahalli Main		1.00	180.00	4.00	0.45	324.00		
	Nagenahalli Village LHS Side		1.00	110.00	3.50	0.45	173.25		
	for Asphalt Road								
	CNR Bar Road		1.00	195.00	6.00	0.45	526.50		
	Nagenahalli Village Road 1		1.00	150.00	5.00	0.45	337.50		
	Nagenahalli Village Road 2		1.00	155.00	6.00	0.45	418.50		
					Total Qty		**4953.35**	43.46	**215272.00**
	Basic Rate	41.00							
	Area Weightage @ 6%	2.46							
	Total	**43.46**							
6.00	KSRRB M100-1 Loading and Unloading of Stone Boulder / Stone aggregate /sand/kaner/ Moorum KSRRB M100-1 Placing tipper at loading point, loading with front end loader, dumping, turning for return trip, excluding time for haulage and return trip complete as per specifications MORTH -100/ Chapter 1 (Page No.136 & Item No 17.1)								
		Cum							
			Qty Vide Item No.1+2+3+4+6				10403.96	95.40	992537.78
	Basic Rate for Haulage of materials as per Item No.17.4	2.00 t.k							

	Area Weightage of earth (1.28 tonne/km) for 15km	38.40							
	Add loading and unloading Item No 17.1)	57.00							
	Total	95.40							
7.00	KSRRB 300-58. Compaction of original ground by mechanical means including filling in depression occuring during rolling including cost of all labour, HOM complete as per specifications. MORTH / Chapter 3 (P.No.147/ Item No.19.64)								
	for CC Roads	Sqm							
	Jayamuni Cross Road.1		1.00	36.00	2.30		82.80		
	Jayamuni Cross Road.2		1.00	35.00	2.20		77.00		
	Jayamuni Cross Road.6		1.00	33.00	2.30		75.90		
	Jayamuni Cross Road.7		1.00	34.00	2.30		78.20		
	Jayamuni Cross Road.8		1.00	31.00	2.50		77.50		
	Jayamuni Cross Road.9		1.00	32.00	2.60		83.20		
	Service Road Cross		1.00	15.00	2.50		37.50		
	Temple Road		1.00	150.00	3.50		525.00		
	Cross Roads		1.00	18.00	4.00		72.00		
	Cross Roads		1.00	18.00	4.00		72.00		
	Cross Roads		1.00	18.00	4.00		72.00		
	Cross Roads		1.00	18.00	4.00		72.00		
	Venkatala village Road		1.00	56.00	2.90		162.40		
	New Road Janatha Colony		1.00	175.00	5.00		875.00		
	Kerekodi Road (Road cut Portion)		1.00	310.00	1.20		372.00		
	Edges of drain		1.00	310.00	0.60		186.00		
	Cross Road C of 5th Cross		1.00	25.00	4.00		100.00		
	Cross Road B (MARQ Masjid) of 5th		1.00	32.00	4.50		144.00		
	kerekodi road (New Portion)		1.00	20.00	4.00		80.00		
	for CC Roads								
	1st Cross Road		1.00	180.00	4.50		810.00		
	2nd Cross Road		1.00	90.00	3.00		270.00		
	Harohalli Circle		1.00	110.00	4.00		440.00		
	Harohalli Village Road		1.00	20.00	8.00		160.00		
	Pavan Redidancy		1.00	40.00	2.00		80.00		
	Srinidhi Layout		1.00	192.00	4.80		921.60		
	for CC Roads								
	Cross Road 1		1.00	56.00	3.00		168.00		
	Cross Road 2		1.00	40.00	3.50		140.00		
	Cross Road 3		1.00	80.00	3.00		240.00		
	Cross Road 4		1.00	10.00	2.00		20.00		
	Cross Road 5		1.00	40.00	6.00		240.00		
	Cross Road of Nagenahalli Main		1.00	180.00	4.00		720.00		
	Nagenahalli Village LHS Side		1.00	110.00	3.50		385.00		
	for Asphalt Road								
	CNR Bar Road		1.00	195.00	6.00		1170.00		
	Nagenahalli Village Road 1		1.00	150.00	5.00		750.00		
	Nagenahalli Village Road 2		1.00	155.00	6.00		930.00		
					Total Qty		10689.10	6.36	67983.00
	Basic Rate	6.00							
	Area Weightage @ 6%	0.36							
	Total	6.36							

0	KSRB 4-1.3 : Providing and laying in position plain cement concrete of **Mix 1:4:8** with OPC @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, including cost of all materials, labour, HOM curing complete as per specifications.Specification No. KBS 4.1, 4.2 (Page No.13 & Item No.4.3)								
for New Rcc Drains	Cum							
Car Garage Road		2.00	25.00	1.00	0.15	7.50		
Cross Road B (MARQ Masjid) of 5th		2.00	32.00	1.00	0.15	9.60		
Well Area Cross Road 1		1.00	33.00	1.00	0.15	4.95		
Well Area Cross Road 2		1.00	34.00	1.00	0.15	5.10		
Well Area Cross Road 3		1.00	31.00	1.00	0.15	4.65		
Well Area Cross Road 4		1.00	45.00	1.00	0.15	6.75		
Jayamuni Layout Well road		2.00	175.00	1.10	0.15	57.75		
Jayamuni Layout Well Area Cross		1.00	95.00	1.00	0.15	14.25		
for RCC Culverts		12.00	4.00	1.30	0.15	9.36		
for CC Roads								
Jayamuni Cross Road.1		1.00	36.00	2.30	0.15	12.42		
Jayamuni Cross Road.2		1.00	35.00	2.20	0.15	11.55		
Jayamuni Cross Road.6		1.00	33.00	2.30	0.15	11.39		
Jayamuni Cross Road.7		1.00	34.00	2.30	0.15	11.73		
Jayamuni Cross Road.8		1.00	31.00	2.50	0.15	11.63		
Jayamuni Cross Road 9		1.00	32.00	2.60	0.15	12.48		
Service Road Cross		1.00	15.00	2.50	0.15	5.63		
Temple Road		1.00	150.00	3.50	0.15	78.75		
Cross Roads		1.00	18.00	4.00	0.15	10.80		
Cross Roads		1.00	18.00	4.00	0.15	10.80		
Cross Roads		1.00	18.00	4.00	0.15	10.80		
Cross Roads		1.00	18.00	4.00	0.15	10.80		
Venkatala village Road		1.00	56.00	2.90	0.15	24.36		
New Road Janatha Colony		1.00	175.00	5.00	0.15	131.25		
Kerekodi Road (Road cut Portion)		1.00	310.00	1.20	0.15	55.80		
Edges of drain		1.00	310.00	0.60	0.15	27.90		
Cross Road C of 5th Cross		1.00	25.00	4.00	0.15	15.00		
Cross Road B (MARQ Masjid) of 5th		1.00	32.00	4.50	0.15	21.60		
kerekodi road (New Portion)		1.00	20.00	4.00	0.15	12.00		
for New Rcc Drains	Cum							
Kenchenahalli Village		2.00	90.00	1.00	0.15	27.00		
for RCC Culverts		7.00	4.00	1.30	0.15	5.46		
for CC Roads								
1st Cross Road		1.00	180.00	4.50	0.15	121.50		
2nd Cross Road		1.00	90.00	3.00	0.15	40.50		
Harohalli Circle		1.00	110.00	4.00	0.15	66.00		
Harohalli Village Road		1.00	20.00	8.00	0.15	24.00		
Pavan Redidancy		1.00	40.00	2.00	0.15	12.00		
Srinidhi Layout		1.00	192.00	4.80	0.15	138.24		
for New Rcc Drains	Cum							
Harohalli Village LHS & RHS		2.00	40.00	1.00	0.15	12.00		
for RCC Culverts		3.00	6.00	1.30	0.15	3.51		
for CC Roads								
Cross Road 1		1.00	56.00	3.00	0.15	25.20		
Cross Road 2		1.00	40.00	3.50	0.15	21.00		
Cross Road 3		1.00	80.00	3.00	0.15	36.00		
Cross Road 4		1.00	10.00	2.00	0.15	3.00		
Cross Road 5		1.00	40.00	6.00	0.15	36.00		
Cross Road of Nagenahalli Main		1.00	180.00	4.00	0.15	108.00		
Nagenahalli Village LHS Side		1.00	110.00	3.50	0.15	57.75		
				Total Qty		1343.75	5408.12	**7267134.21**

	Basic Rate	5102.00								
	Area Weightage @ 6%	306.12								
	Total	5408.12								
9	Providing and laying plain/reinforced cement concrete for side drains using M20 nominal mix concrete with OPC at 300 kgs. with 20mm and down size granite metal coarse aggregates at 0.69 cum and fine aggregates at 0.43 cum machine mixed, well compacted for walls and bottom including centering, shuttering, cost of materials, HOM of machinery, curing etc., complete excluding cost of steel as per MORTH specification No. 1500, 1700, 2200 including cost of materials, labour, HOM complete as per specifications. - do- Wall & bottom thickness 15cm (Page No.271 & Item No-37.59.2)									
	Raft	**Cum**								
	Car Garage Road		2.00	25.00	0.90	0.15	6.75			
	Cross Road B (MARQ Masjid) of 5th		2.00	32.00	0.90	0.15	8.64			
	Well Area Cross Road 1		1.00	33.00	0.90	0.15	4.46			
	Well Area Cross Road 2		1.00	34.00	0.90	0.15	4.59			
	Well Area Cross Road 3		1.00	31.00	0.90	0.15	4.19			
	Well Area Cross Road 4		1.00	45.00	0.90	0.15	6.08			
	Jayamuni Layout Well road		2.00	175.00	0.90	0.15	47.25			
	Jayamuni Layout Well Area Cross		1.00	95.00	0.90	0.15	12.83			
	for RCC Culverts		12.00	4.00	1.20	0.23	13.25			
	Side Wall		4.00	25.00	0.15	0.60	9.00			
			4.00	32.00	0.15	0.60	11.52			
			2.00	33.00	0.15	0.60	5.94			
			2.00	34.00	0.15	0.60	6.12			
			2.00	31.00	0.15	0.60	5.58			
			2.00	45.00	0.15	0.60	8.10			
			4.00	175.00	0.15	0.60	63.00			
			2.00	95.00	0.15	0.60	17.10			
			24.00	4.00	0.25	0.75	18.00			
	Raft	**Cum**								
	Kenchenahalli Village		2.00	90.00	0.90	0.15	24.30			
	for culverts		7.00	4.00	1.20	0.20	6.72			
	side wall		4.00	90.00	0.15	0.60	32.40			
			14.00	4.00	0.30	0.75	12.60			
	Raft	**Cum**								
	Harohalli Village LHS & RHS		2.00	40.00	0.90	0.15	10.80			
	for culverts		3.00	6.00	1.20	0.20	4.32			
	side wall		4.00	40.00	0.15	0.60	14.40			
			6.00	6.00	0.30	0.75	8.10			
					Total Qty		**366.02**	7070.20	**2587820.46**	
	Basic Rate	6670.00								
	Area Weightage @ 6%	400.20								
	Total	7070.20								
10	KSRB 4.9.2 Providing **T.M.T steel** reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost pf materials, labour, HOM of machinery complete as per specifications.Specification No. KBS 4.6.3-do-TMT Bars Fe 500 (Page No.18 & Item No.4.46.2)									
		tonne								
		60% of Qty Vide Item No.9 in Qtl					225.90			
					in tonne		**22.59**	75223.96	**1699309.26**	
	Basic Rate	70966.00								

	Area Weightage @ 6%	4257.96							
	Total	75223.96							
11	KSRB 4-1.6 ; Providing and laying in position plain cement concrete of Mix 1:2:4 with OPC @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregtes @ 0.53cum, machine mixed, concrete laid in layers not exceeding 15 cms.thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM curing complete as per specifications. Specification No. KBS 4.1, 4.2(P No. 13 / Item No.4.6)								
	coping	Cum							
	Jayamuni Road (Western Side)		2.00	190.00	0.15	0.10	5.70		
	Janatha Colony Area Cross Roads		2.00	1020.00	0.15	0.10	30.60		
	coping	Cum							
	1st Main Road		2.00	192.00	0.15	0.10	5.76		
	1st Cross Road		4.00	110.00	0.15	0.10	6.60		
	2nd Cross Road LHS and RHS		2.00	250.00	0.15	0.10	7.50		
	2nd Cross Road Cross Road		2.00	220.00	0.15	0.10	6.60		
	coping	Cum							
	Nagenahalli Village LHS		2.00	40.00	0.15	0.10	1.20		
	Nagenahalli Temple Road		2.00	36.00	0.15	0.10	1.08		
					Total Qty		65.01	5747.32	373806.00
	Basic Rate	5422.00							
	Area Weightage @ 6%	325.32							
	Total	5747.32							
12	Supply and fixing **Precast reinforced concrete slab 10cm thick** including cost of reinforcement as per design and drawing, material cost, transportation, hire charges of machinery, machine cutting the vertical face to get plain even surface etc., complete with all leads and lift conveynce charges, labour charges inclusive of cost of all materials.								
		Sqm							
	Car Garage Road		2.00	25.00	0.75		37.50		
	Cross Road B (MARQ Masjid) of 5th		2.00	32.00	0.75		48.00		
	Well Area Cross Road 1		1.00	33.00	0.75		24.75		
	Well Area Cross Road 2		1.00	34.00	0.75		25.50		
	Well Area Cross Road 3		1.00	31.00	0.75		23.25		
	Well Area Cross Road 4		1.00	45.00	0.75		33.75		
	Jayamuni Layout Well road		2.00	175.00	0.75		262.50		
	Jayamuni Layout Well Area Cross		1.00	95.00	0.75		71.25		
	Jayamuni Road (Western Side)		1.00	190.00	0.75		142.50		
	4th Cross Road Venkatala		2.00	1020.00	0.75		1530.00		
	Kenchenahalli Village		2.00	90.00	0.75		135.00		
	1st Main Road		1.00	192.00	0.75		144.00		
	1st Cross Road		2.00	110.00	0.75		165.00		
	2nd Cross Road LHS and RHS		1.00	250.00	0.75		187.50		
	Nagenahalli Village LHS		2.00	40.00	0.90		72.00		
	Nagenahalli Temple Road		1.00	40.00	0.90		36.00		
	Harohalli Village LHS & RHS		1.00	36.00	0.90		32.40		
	Harohalli Colony Road		2.00	180.00	0.90		324.00		
	Harohalli Cross Roads		2.00	95.00	0.75		142.50		
					Net Qty		3437.40	2337.00	8033203.80
	Data Rate	2337.00							

13	Supply and fixing **Precast reinforced concrete slab 250cm thick** including cost of reinforcement as per design and drawing, material cost, transportation, hire charges of machinery, machine cutting the vertical face to get plain even surface etc., complete with all leads and lift conveynce charges, labour charges inclusive of cost of all materials.								
	for culverts	Sqm	12.00	4.00	1.20		57.60		
	for culverts		7.00	4.00	1.20		33.60		
	for culverts		3.00	6.00	1.20		21.60		
					Net Qty		112.80	5418.00	611150.40
	Data Rate	5418.00							
14	Construction of granular sub-base Grading-V as Sub-base and drainage layer by providing coarse graded crushed stone aggregates of granite/ trap/ basalt material, mixing in a mechanical mix plant at OMC, Carriage of mixed material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the 98 % proctor density, complete as per specifications. Clause 401 of MORTH V Revision.(P.No.153 It No.20.5)								
	for CC Roads	Cum							
	Jayamuni Cross Road 1		1.00	36.00	2.30	0.15	12.42		
	Jayamuni Cross Road 2		1.00	35.00	2.20	0.15	11.55		
	Jayamuni Cross Road 6		1.00	33.00	2.30	0.15	11.39		
	Jayamuni Cross Road 7		1.00	34.00	2.30	0.15	11.73		
	Jayamuni Cross Road 8		1.00	31.00	2.50	0.15	11.63		
	Jayamuni Cross Road 9		1.00	32.00	2.60	0.15	12.48		
	Service Road Cross		1.00	15.00	2.50	0.15	5.63		
	Temple Road		1.00	150.00	3.50	0.15	78.75		
	Cross Roads		1.00	18.00	4.00	0.15	10.80		
	Cross Roads		1.00	18.00	4.00	0.15	10.80		
	Cross Roads		1.00	18.00	4.00	0.15	10.80		
	Cross Roads		1.00	18.00	4.00	0.15	10.80		
	Venkatala village Road		1.00	56.00	2.90	0.15	24.36		
	New Road Janatha Colony		1.00	175.00	5.00	0.15	131.25		
	Kerekodi Road (Road cut Portion)		1.00	310.00	1.20	0.15	55.80		
	Edges of drain		1.00	310.00	0.60	0.15	27.90		
	Cross Road C of 5th Cross		1.00	25.00	4.00	0.15	15.00		
	Cross Road B (MARQ Masjid) of 5th		1.00	32.00	4.50	0.15	21.60		
	kerekodi road (New Portion)		1.00	20.00	4.00	0.15	12.00		
	for CC Roads	Cum							
	1st Cross Road		1.00	180.00	4.50	0.15	121.50		
	2nd Cross Road		1.00	90.00	3.00	0.20	54.00		
	Harohalli Circle		1.00	110.00	4.00	0.20	88.00		
	Harohalli Village Road		1.00	20.00	8.00	0.15	24.00		
	Pavan Redidancy		1.00	40.00	2.00	0.15	12.00		
	Srinidhi Layout		1.00	192.00	4.80	0.19	170.50		
	for CC Roads	Cum							
	Cross Road 1		1.00	56.00	3.00	0.20	33.60		
	Cross Road 2		1.00	40.00	3.50	0.20	28.00		
	Cross Road 3		1.00	80.00	3.00	0.20	48.00		
	Cross Road 4		1.00	10.00	2.00	0.20	4.00		
	Cross Road 5		1.00	40.00	6.00	0.20	48.00		
	Cross Road of Nagenahalli Main		1.00	180.00	4.00	0.20	144.00		
	Nagenahalli Village LHS Side		1.00	110.00	3.50	0.20	77.00		
	for Asphalt Road								
	CNR Bar Road		1.00	195.00	6.00	0.20	234.00		
	Nagenahalli Village Road 1		1.00	150.00	5.00	0.20	150.00		
	Nagenahalli Village Road 2		1.00	155.00	6.00	0.20	186.00		
					Total Qty		1908.09	1994.92	3806487.00
	Basic Rate	1882.00							

	Area Weightage @ 6%	112.92								
	Total	1994.92								
15	Constructing un-reinforced, plain cement concrete for pavements using Grade concrete M30 over a prepared base with OPC coarse aggregate at 0.69 cum, fine aggregates at 0.46 cum,Coarse and fine aggregate conforming to IS:383-2016, with Superplastizer at 3 lts conforming to IS 9103-2008. mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing). & Spreading the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished with floaters in a continuous operation including provision of contraction, expansion, construction and longitudinal joints,including groove cutting charges, joint filler, separation membrane of impermiable plastic sheet of 125 micron, sealant primer, joint sealant, admixtures as approved, curing compound, finishing to lines and grades, textured with texturing machine, and curing including cost of all materials, labour,hire charges of machineries,all lead & lift charges etc., complete as per specifications. -do- with OPC at 360 kg/cum and coarse aggregate 0.69cum, fine aggregate 0.46cum. (Page No.175&176 & Item No.22(a))									
	for CC Roads	**Cum**								
	Jayamuni Cross Road.1		1	36.00	2.30	0.15	12.42			
	Jayamuni Cross Road.2		1	35.00	2.20	0.15	11.55			
	Jayamuni Cross Road.6		1	33.00	2.30	0.15	11.39			
	Jayamuni Cross Road.7		1	34.00	2.30	0.15	11.73			
	Jayamuni Cross Road.8		1	31.00	2.50	0.15	11.63			
	Jayamuni Cross Road.9		1	32.00	2.60	0.15	12.48			
	Service Road Cross		1	15.00	2.50	0.15	5.63			
	Temple Road		1	150.00	3.50	0.15	78.75			
	Cross Roads		1	18.00	4.00	0.15	10.80			
	Cross Roads		1	18.00	4.00	0.15	10.80			
	Cross Roads		1	18.00	4.00	0.15	10.80			
	Cross Roads		1	18.00	4.00	0.15	10.80			
	Venkatala village Road		1	56.00	2.90	0.15	24.36			
	New Road Janatha Colony		1	175.00	5.00	0.15	131.25			
	Kerekodi Road (Road cut Portion)		1	310.00	1.20	0.15	55.80			
	Edges of drain		1	310.00	0.60	0.15	27.90			
	Cross Road C of 5th Cross		1	25.00	4.00	0.15	15.00			
	Cross Road B (MARQ Masjid) of 5th		1	32.00	4.50	0.15	21.60			
	kerekodi road (New Portion)		1	20.00	4.00	0.15	12.00			
	for CC Roads	**Cum**								
	3rd Main Road (samudayabavana)		1	180.00	4.50	0.15	121.50			
	2nd Cross Road		1	90.00	3.00	0.15	40.50			
	1st Cross Road		1	110.00	4.00	0.15	66.00			
	Muneshwara temple approach		1	20.00	8.00	0.15	24.00			
	Passages		1	40.00	2.00	0.15	12.00			
	Railway Compound parallel Road		1	192.00	4.80	0.15	138.24			
	for CC Roads	Cum								
	Cross Road 1		1	56.00	3.00	0.15	25.20			
	Cross Road 2		1	40.00	3.50	0.15	21.00			
	Cross Road 3		1	80.00	3.00	0.15	36.00			
	Cross Road 4		1	10.00	2.00	0.15	3.00			
	Cross Road 5		1	40.00	6.00	0.15	36.00			
	Cross Road of Nagenahalli Main		1	180.00	4.00	0.15	108.00			
	Nagenahalli Village LHS Side		1	110.00	3.50	0.15	57.75			
					Total Qty		**1175.87**	5210.96	**6127385.48**	
	Basic Rate	4916.00								
	Area Weightage @ 6%	294.96								
	Total	**5210.96**								

16	Providing and fixing pre cast solid cement concrete kerb stones made out of C.C. 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting, including form work, curing, including cost of all materials, labour, hire charges of machinery, loading, unloading, lead and lift, transportation etc., complete. (Page No.27 & Item No. 5.30)									
		No's								
	New Road Janatha Colony		2.00	175.00	/ 0.45		777.78			
	Kerekodi Road		2.00	250.00	/ 0.45		1111.11			
	Jayamuni Layout		2.00	60.00	/ 0.45		266.67			
	Cross Road C of 5th Cross		2.00	25.00	/ 0.45		111.11			
	Cross Road B (MARQ Masjid) of 5th Cross		2.00	32.00	/ 0.45		142.22			
					Total Qty		2408.89			
					Say		2408.89	432.48	1041796.00	
	Basic Rate	408.00								
	Area Weightage @ 6 %	24.48								
	Total	**432.48**								
17	KSRB 15-19.2 :Providing and applying **ready mix priming coat** over concrete/masonry/asbestos cement sheet/plastered surfaces including preparing the surface after throughly cleaning of oil,grease,dirt and other foreign matter and sand papering including cost of materials, labour, complete as per specifications. (Page No.124 & Item No.15.80)									
		Sqm								
	New Road Janatha Colony		2.00	175.00		0.40	140.00			
	Kerekodi Road		1.00	180.00		0.40	72.00			
	Cross Road 3 of 5th Cross		2.00	25.00		0.40	20.00			
	Cross Road 2 (MARQ Masjid) of 5th		2.00	32.00		0.40	25.60			
	Cross Road Harohalli (Pavan		2.00	40.00		0.40	32.00			
	Harohalli		2.00	180.00		0.40	144.00			
					Total Qty		433.60	39.22	17006.00	
	Basic Rate	37.00								
	Area Weightage @ 6 %	2.22								
	Total	**39.22**								
18	KSRB 800-1.Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications. (Page No.180 & Item No.24.1)									
		Sqm								
	New Road Janatha Colony		2.00	175.00		0.40	140.00			
	Kerekodi Road		1.00	180.00		0.40	72.00			
	Cross Road 3 of 5th Cross		2.00	25.00		0.40	20.00			
	Cross Road 2 (MARQ Masjid) of 5th		2.00	32.00		0.40	25.60			
	Cross Road Harohalli (Pavan		2.00	40.00		0.40	32.00			
	Harohalli		2.00	180.00		0.40	144.00			
					Total Qty		433.60	84.80	36769.00	
	Basic Rate	80.00								
	Area Weightage @ 6 %	4.80								
	Total	**84.80**								

	KSRRB 300-50. Scarifying bituminous course 50mm to 75mm thick along with premix carpet / surface dressing by mechanical means attached with scarifier without disturbing the base and stacking the debris including cost of all labour charges, HOM complete as per specifications.MORTH / Chapter 3 (Page No.146 & I.No.19.56)								
	Water Tank Road	Sqm							
	CNR Bar Road		1.00	40.00	6.00		240.00		
	Nagenahalli Village Road 1		1.00	195.00	6.00		1170.00		
	Nagenahalli Village Road 2		1.00	150.00	5.00		750.00		
	Deduct Road Cut Portions		1.00	155.00	6.00		930.00		
	Railway Compound parallel Road		-2.00	540.00	0.90		-972.00		
			1.00	192.00	4.80		921.60		
					Total Qty		3039.60	41.34	125657.00
	Basic Rate	39.00							
	Area Weightage @ 6%	2.34							
	Total	41.34							
20	KSRRB M800-13.Road Marking with Hot Applied Thermoplastic Compound with Reflectrising Glass Beads on Bituminous Surface/ **Concrete Surface** Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35 standards specified. The finished surface to be level, uniform and free from streaks and holes complete as per specifications. MORTH Specification No. 803 (Page No.182 & Item No.24.15)								
	for CC Roads	**Sqm**							
	1st Cross Road		0.50	180.00	0.10		9.00		
	2nd Cross Road		0.50	90.00	0.10		4.50		
	Harohalli Circle		0.50	110.00	0.10		5.50		
	Harohalli Village Road		0.50	20.00	0.10		1.00		
	Pavan Redidancy		0.50	40.00	0.10		2.00		
	Srinidhi Layout		0.50	192.00	0.10		9.60		
	for CC Roads	**Sqm**							
	Cross Road 1		0.50	56.00	0.10		2.80		
	Cross Road 2		0.50	40.00	0.10		2.00		
	Cross Road 3		0.50	80.00	0.10		4.00		
	Cross Road 4		0.50	10.00	0.10		0.50		
	Cross Road 5		0.50	40.00	0.10		2.00		
	Cross Road of Nagenahalli Main		0.50	180.00	0.10		9.00		
	Nagenahalli Village LHS Side		0.50	110.00	0.10		5.50		
	for Asphalt Road								
	CNR Bar Road		2.50	195.00	0.10		48.75		
	Nagenahalli Village Road 1		2.50	150.00	0.10		37.50		
	Nagenahalli Village Road 2		2.50	155.00	0.10		38.75		
					Total Qty		**182.40**	**454.74**	**82945.00**
	Basic Rate	429.00							
	Area Weightage @ 6 %	25.74							
	Total	454.74							
21	KSRRB M400-17. Providing, laying, spreading and compacting crushed stone aggregates of granite / trap / basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications. MORTH Specification No. 406 Page No. 155/ Item No. 20.18/ PWD SR 2018								
	for Asphalt Road	Cum							
	CNR Bar Road		1.00	195.00	6.00	0.30	351.00		
	Nagenahalli Village Road 1		1.00	150.00	5.00	0.30	225.00		
	Nagenahalli Village Road 2		1.00	155.00	6.00	0.30	279.00		

Nagenahalli Village Sub Roads		1.00	185.70	4.00	0.30	222.84		
For Pipeline Cut Portion		1.00	1750.00	0.60	0.20	210.00		
				Total Qty		**1287.75**	2001.28	**2577148.00**
Basic Rate	1888.00							
Area Weightage @ 6%	113.28							
Total	**2001.28**							
22	KSRRB M500-6. Providing and applying primer coat with S.S. bitumen emulsion on prepared surface of granular base such as WMM ,including clearing of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means complete as per Specifications. MORTH Specification No. 502 Complete with all lead and lift and as per the direction of the Engineer-in-Charge. Page No. 158/ Item No. 21.6/ PWD SR 2018-19 Current Rate w.e.f 01/07/2020								
	for Asphalt Road	Cum							
	CNR Bar Road		1.00	195.00	6.00		1170.00		
	Nagenahalli Village Road 1		1.00	150.00	5.00		750.00		
	Nagenahalli Village Road 2		1.00	155.00	6.00		930.00		
					Total Qty		**2850.00**	29.68	**84588.00**
	Basic Rate	28.00							
	Area Weightage @ 6%	1.68							
	Total	**29.68**							
23	KSRRB M500- 15. Providing, laying dense graded bituminous macadam using 40/60 TPH capacity H.M.P with Mechanical paver Gr-II (50mm to 75mm), crushed aggregates of specified grading premixed with 4.5% VG 30 grade bituminous binder and , transporting the hot mix to work site , laying to the required level and grade, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH table 500-10 complete in all respects complete as per specifications MORTH Specification No.507. (P.No.160 It No.21.17.6) Current Rate w.e.f 01/07/2020								
	for Asphalt Road	Cum							
	CNR Bar Road		1.00	195.00	6.00	0.05	58.50		
	Nagenahalli Village Road 1		1.00	150.00	5.00	0.05	37.50		
	Nagenahalli Village Road 2		1.00	155.00	6.00	0.05	46.50		
					Total Qty		**142.50**	6407.70	**913097.00**
	Basic Rate	6015.00							
	Area Weightage @ 6%	362.70							
	Total	**6407.70**							
24	KSRRB 500-7.Providing and applying tack coat with bitumen emulsion using 80/100 grade bitumen (VG20) on the prepared black toped suface at 2.5kg per 10 sqm, heating bitumen in boiler fitted with spray set (Excluding cleaning of road surface) including cost of all materials, labour, HOM of Machineries complete as per Specifications . (P.No.158 & I.No.21.7) Current Rate w.e.f 01/07/2020								
	for Asphalt Road	Cum							
	CNR Bar Road		1.00	195.00	6.00		1170.00		
	Nagenahalli Village Road 1		1.00	150.00	5.00		750.00		
	Nagenahalli Village Road 2		1.00	155.00	6.00		930.00		
					Total Qty		**2850.00**	12.72	**36252.00**
	Basic Rate	12.00							
	Area Weightage @ 6%	0.72							
	Total	**12.72**							
25	Providing and laying bituminous concrete 40mm thick with hot mix plant, using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with a paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specifications. Clause 507 of MORTH V revision as per IRC SP-53-2015 – do – using 40-60 TPH capacity HMP with mechanical paver grading II (30-45mm) with 5.4 % of modified bituminus binder consisting of 4.97% of VG-30 bitumen (60/70 grade) and 0.43% of plastomeric thermoplastics (waste plastic) (P.No.162 Item No.21.78.12) Current Rate w.e.f 01/07/2020								

	for Asphalt Road								
	CNR Bar Road	Cum							
	Nagenahalli Village Road 1		1.00	195.00	6.00	0.04	46.80		
	Nagenahalli Village Road 2		1.00	150.00	5.00	0.04	30.00		
			1.00	155.00	6.00	0.04	37.20		
					Total Qty		**114.00**	7537.66	**859293.00**
	Basic Rate	7111.00							
	Area Weightage @ 6%	426.66							
	Total	**7537.66**							
	BOREWELL AND PIPELINE								
26	Geophysical investigation of site for sinking Borewell for supplying drinking water to the habitation either through the Hand pump, MWS of P.W.S.S by vertical electrical sounding by adopting Venner or Schlumberger's method, including reconnaissance survey of geological formation, Gerophysical investigation of existing Ground Wate in the vicinity, its qualityf 1.0 meter in consolidated formation for proper seating of casing pipe, depth of drilling required to cover full depth of aquifer proposed to be tapped, probable yield and other information required including transportation of instrument and accessories to work site., engaging techinical personal and labour required etc (RDWS&SC Bangalore Circle SR 2019-20 P.No.126, Item No.13.04)								
		Each BW							
			4				**4.00**	3881.04	**15524.00**
	Basic Rate	3768.00							
	Area Weightage @ 3 %	113.04							
	Total	**3881.04**							
27	Sinking borewell of 165 mm dia clear using super fast hydraulic rig of capacity 300 PSIG & above 1100 CMF & above in all strats including over burden. Fixing of casing pipes, collars and cap with necessary cutting, threading and welding including transportation of rig and supporting vehicles, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimum working of compressor for one hour (excluding coat of casing pipes, collars, cap etc.,complete) (PRED Bangalore Circle SR 2019-20 P.No.124, Item No.13.01)								
		Rmtr							
	0.00 to 50.00mtrs (RDWS&SC Bangalore Circle SR 2019-20 P.No.124, Item No.13.01 (a)		4	50.00			**200.00**	357.41	**71482.00**
	Basic Rate	347.00							
	Area Weightage @ 3 %	10.41							
	Total	**357.41**							
28	50.00 to 100.00mtrs (RDWS&SC Bangalore Circle SR 2019-20 P.No.124, Item No.13.01 (b)		4	50.00			**200.00**	455.26	**91052.00**
	Basic Rate	442.00							
	Area Weightage @ 3 %	13.26							
	Total	**455.26**							
29	100.00 to 150.00mtrs (RDWS&SC Bangalore Circle SR 2019-20 P.No.124, Item No.13.01 (c)		4	50.00			**200.00**	469.68	**93936.00**
	Basic Rate	456.00							
	Area Weightage @ 3 %	13.68							
	Total	**469.68**							
30	150.00 to 200.00mtrs (RDWS&SC Bangalore Circle SR 2019-20 P.No.124, Item No.13.01 (d)		4	50.00			**200.00**	552.08	**110416.00**
	Basic Rate	536.00							
	Area Weightage @ 3 %	16.08							
	Total	**552.08**							
31	200.00 to 250.00mtrs (RDWS&SC Bangalore Circle SR 2019-20 P.No.124, Item No.13.01 (e)		4	50.00			**200.00**	653.02	**130604.00**
	Basic Rate	634.00							

	Area Weightage @ 3 %	19.02							
	Total	**653.02**							
32	250.00 to 300.00mtrs (RDWS&SC Bangalore Circle SR 2019-20 P.No.124, Item No.13.01 (f)		4	50.00			200.00	721.00	**144200.00**
	Basic Rate	700.00							
	Area Weightage @ 3 %	21.00							
	Total	**721.00**							
33	300.00 to 350.00mtrs (RDWS&SC Bangalore Circle SR 2019-20 P.No.124, Item No.13.01 (g)		4	50.00			200.00	849.75	**169950.00**
	Basic Rate	825.00							
	Area Weightage @ 3 %	24.75							
	Total	**849.75**							
34	KSRB13-1.1 : Providing and fixing to wall, ceiling and floor galvanised / mild steel tube nominal bore with fittings (medium grade weight 1.27kg/mtr) B class including cost of all materials, labour charges, HOM and testing complete as per specifications. Specification No.KBS 13.2.14 / 13.8 (PWP, & IWTD SR 2018-19 Bangalore, P.No.92, I No.13.6) - do - 50 mm dia								
		Rmtr							
			4	345.00			**1380.00**	542.72	**748954.00**
	Basic Rate	512.00							
	Area Weightage @ 6%	30.72							
	Total	**542.72**							
35	Supply of ISI Mark nominal bore, plain end steel casing pipe-grade of steel Fe 410 of wall thickness conforming to IS 4270-2001 and latest amendments, electrical resistance welded steel tube material and conforming to IS 1387-1993 and manufactured by basic open hearth electric or basic oxygen process in random length of 5 to 7m. Both ends threaded conforming to IS 554-1985, one end fixed with socket conforming to IS 42702001 and the other end with screwed pipes. All pipes shall be resonably free from defects. The tubes shall be resonably straight and should be with ISI marking weighing 25.10kg/m. (exclusive of all taxes and duties). Prices include Collar-Medium duty (Page No.246 Item No.13.85 of RURAL DRINKING WATER & SANITATION CIRCLE BANGALORE FOR								
		Rmtr							
			4	60.00			**240.00**	1364.75	**327540.00**
	Basic Rate	1325.00							
	Area Weightage @ 3%	39.75							
	Total	**1364.75**							
36	Providing and fixing MS casing collars as per IS 1239 (part-II) 1982 with all latest amendments if any for any dia. The thickness of plate used for covering one end shall be 3mm (minimum). The dimensions of caps and colars shall be strictly as per IS 1239 (PartII) 1982 with all amendments (Page No.246 Item No.13.86 of RURAL DRINKING WATER &								
		Each							
			4	11.00			44.00	154.50	6798.00
	Basic Rate	150.00							
	Area Weightage @ 3%	4.50							
	Total	**154.50**							
37	Providing and laying at site of work MS casing caps as per IS 1239 (part-II) 1982 with all latest amendments if any for any dia. The thickness of plate used for covering one end shall be 3mm (minimum) The dimensions of caps and colars shall be strictly as per IS 1239 (Part-II) 1982 with all amendments including cost of material and labour charges for fixing, if any etc. complete with all lead and lifts and as directed by the Engineer in charge (Page No.247 Item No.13.87 of RURAL DRINKING WATER & SANITATION CIRCLE BANGALORE FOR THE YEAR 2019-20)								
		Each							
			4				4.00	103.00	412.00
	Basic Rate	100.00							
	Area Weightage @ 3%	3.00							

	Total	103.00								
38	Submersible Cable 1x3x10.0 Sq.mm (Page No.XLVII / Sl.No.9) (PWP, & IWTD SR 2018-19 Bangalore)									
		Mtr								
		2	4	345.00			2760.00	233.20	643632.00	
	Basic Rate	220.00								
	Area Weightage @ 6%	13.20								
	Total	233.20								
39	Borewell Cap & Clamp Set (Page No.XLVII / Sl.No.17) (PWP, & IWTD SR 2018-19 Bangalore)									
		Each								
			4				4	1908.00	7632.00	
	Basic Rate	1800.00								
	Area Weightage @ 6%	108.00								
	Total	1908.00								
40	Providing and fixing unplasticised PVC pipes with working pressure 10 kg/sq.cm with pipe fittings, clips, making good the floor, including cost of all materials, labour charges, HOM and testing complete as per specifications -do- with 200mm outer dia (Page No.77 Item No 11.56.5 of PWP, & IWTD SR 2018-19 Bangalore)									
		Rmtr								
			4	20.00			80.00	1674.80	133984.00	
	Basic Rate	1580.00								
	Area Weightage @ 6%	94.80								
	Total	1674.80								
41	15HP/11kW 15 Stage (submersible Three Phase 6 inch/150mm for 2018-19 (page no.XLI / Sl.No.38)									
		No								
			4				4.00	56400.48	225602.00	
	Basic Rate	53208.00								
	Area Weightage @ 6%	3192.48								
	Total	56400.48								
42	Supply and fixing polished wood board made of not less than 15mm thick plank on both sides of not more than 2 pieces and fixing the same to the wall using tapered inverted wooden plugs screws 20"x20"x2.5" (P.No.24 It No.5.6.6)									
		Each								
			4				4.00	292.00	1168.00	
	Electrical SR 2019-20	292.00								
43	Supplying of 1.1 KV LT UG cable XLPE or Heat resistant PVC insulated, PVC extruded Inner sheath armoured UG LT cable as per IS-1554 (Part-1) or IS-7098 Part-1, Armouring strip thickness in average +5% and resistivity 14 Ohms/Kms (Max) as per IS-3975 4 core 16 sqmm (P.No.40 It No.6.4.4)									
		Mtr								
			4	15.00			60.00	150.00	9000.00	
	Electrical SR 2019-20	150.00								
44	Labour charges for laying of 1.1 KV class UG cable in existing trench GI pipe / stoneware pipe / on wall / on pole as required 6 sqmm to 16 sqmm (P.No.41 It.No.6.5)									
		Mtr								
			4	15.00			60.00	11.88	713.00	
	Electrical SR 2019-20	11.88								
45	Digging of trench of 0.6m deep x 0.50 mtr wide refilling the trench to the required ground level and consolidating etc., complete (As per Civil SR KSRB I-2, P-7) Asphalt cutting (P.No.41 It.No.6.6.4)									
		Mtr								
			4	15.00			60.00	113.00	6780.00	
	Electrical SR 2019-20	113.00								

	Supplying and fixing of class A (medium duty) GI pipe of wall thickness not less than 3.25mm on pole/wall/drain crossing with necessary clamping arrangements for UG cable of 1.1 KV.(P.No.41 It.No.6.9)40mm								
		Mtr							
			4	4.00			16.00	335.00	5360.00
	Electrical SR 2019-20	335.00							
47	Supplying and fixing L.T. cast Iron pot heads suitable for 1.1 KV class UG cable filled with necessary bitumen/insulating compound complete with terminals, clamps, bolts, nuts and washers etc. (P.No.42 It.No.6.10.2)16Sqmm								
		No							
	16Sqmm		4				4.00	270.00	1080.00
	Electrical SR 2019-20	270.00							
48	Supplying, fixing, wiring, earth electrode for grounding conduits, I.C. cutouts and other equipment's on the meter board using 40mm dia 2.90mm thick GI pipe 2.5 mtr long buried in a pit ... The pit should be filled with equal proportion of salt and charcoal 150mm all-round the pipe to complete depth. The connection from the pipe to the conduit etc., is to be established through GI wire of size as per ISI specification 7.3.3. of IS 732 using 12mm dia bolts, nuts, washers and check nuts etc., the pipe shall have 16 through holes of 12 mm dia (P.No.40 It.No.6.1)								
		No							
			4				4.00	2999.70	11999.00
	Electrical SR 2019-20	2999.70							
49	Supplying & fixing of Porcelain fuse channel with cut out on existing wooden/panel using necessary nuts, bolts and washers.32 Amps (P.No.25 It.No.5.7.2)								
		No							
			8				8.00	174.00	1392.00
	Electrical SR 2019-20	174.00							
50	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898. (P.No.27 It.No.5.17.7)								
		No							
			4				4.00	1715.00	6860.00
	Electrical SR 2019-20	1715.00							
51	Fabricating supplying and mounting MS box made out 16SWG suitable for floor / wall mounting, fully weather proof with provision for better heat dissipation, provided with hinged front cover, equipped with tamper proof locking arrangements, with suitable size clamps with necessary cable entry pipe with gland and box should be finished with 7tanks treatment with powder coated paint and finally finished with approved colour etc., complete. (P.No.31 It.No.5.42.2)								
		Sq.Cm							
			4	21600			86400		
							86400	0.35	30240.00
	Electrical SR 2019-20	0.35							
52	Supply and Installation / Fixing / Provision of Outdoor type Thermoplastic Modular Panel enclosure with transparent Polycarbonate Lid, shock proof, IP65 (Weather Proof), rust proof, dust proof, water proof, corrosion proof having internally Embedded gasket on both lid and flap suitable to fix Single Phase / Three Phase Energy Meter in suitable base plate and having a provision for Fuse / MCB cutout with suitable transparent hinged flap opening for operating MCB along with complete tamper proof SEALING facility 600mmx600mmx170mm (P.No.31 It.No.5.44.4)								
		No.							
			4				4.00	12081.00	48324.00
	Electrical SR 2019-20	12081.00							

53	KSRB 13-7.1-4: Providing and fixing in position 50mm nominal bore gun metal non-return valve horizontal type of approved make including cost of all materials, labour and HOM of equipments with all leads complete as per specifications NO KBS 13.2.16 / 13.13 Page No. 95 Item No. 13.55 / PWD SR 2018-19								
		No							
			4				4.00	1409.80	5639.00
	Basic Rate	1330.00							
	Area Weightage @ 6%	79.80							
	Total	1409.80							
54	Providing NP/CP waste unions conforming to ISI specifications and fixing them in position as per directions including cost of materials, fixtures and conveyance to work spot etc., complete 50 mm dia. (P. No.97 / I. No. 13.81.3 PWD SR 2018-19								
		No							
	50mm dia		4				4.00	222.60	890.00
	Basic Rate	210.00							
	Area Weightage @ 6%	12.60							
	Total	222.60							
55	KSRB 2-2.1 : Earth work excavation by manual means for foundation of buildings, culverts water supply, sanitary line and electrical conduits either in pits or in trenches 1.5m and above in width, in ordinary soil not exceeding 1.5m, in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m, after breaking of clods complete as per specifications, specification No, KBS 2.1 (a) / 2.3.5, Page No.5 & Item No.2.3)								
		Cum							
	Kenchenahalli Cross Roads		1	1850.00	0.60	0.70	777.00		
	Harohalli		1	570.00	0.60	0.70	239.40		
	Nagenahalli		1	465.00	0.60	0.70	195.30		
							1211.70	316.94	384036.00
	Basic Rate	299.00							
	Area Weightage @ 6%	17.94							
	Total	316.94							
56	KSRB13-9 : Providing and fixing to wall, ceiling and floor high density polyethylene pipes 6.00 kgf/sq.cm working pressure of outside diameter raising mains & exposed distribution pipes with special flange, compression type fittings, wall clips, making good the wall, ceiling and floor, including cost of all materials, labour charges, HOM and testing complete as per specifications. Specification No. KBS 13.2.15.2 / 13.9 KSRB13-9.4 - do - 63 mm dia (Page No.96, Item No.13.73.2)								
		Rmtr							
	Kenchenahalli Cross Roads		1	1850.00			1850.00		
	Harohalli		1	570.00			570.00		
	Nagenahalli		1	465.00			465.00		
							2885.00	394.32	1137613.20
	Basic Rate	372.00							
	Area Weightage @ 6%	22.32							
	Total	394.32							
57	Refilling available earth around pipelines, cables in layers not exceeding 20cms in depth compacting each deposited layers by ramming after watering lead upto 50m and lift upto 1.5m including cost of labour complete as per specification (P.No.6 I No.2.11)								
	for Road Cut portion	Cum							
	Kenchenahalli Cross Roads		1	1850.00	0.60	0.45	499.50		
	Harohalli		1	570.00	0.60	0.45	153.90		
	Nagenahalli		1	465.00	0.60	0.45	125.55		
					Total Qty		778.95	2001.28	1558897.00

58	g and fixing in position brass gate valve with C.I wheel of approved quality (screwed end) 65mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications. Specification No. KBS 13.2.6/13.3 P.No.94 / It.No.13.38 PWD SR 2018-19								
		Each							
			10				10.00	2229.18	22292.00
	Basic Rate	2103.00							
	Area Weightage @ 6%	126.18							
	Total	2229.18							
59	Bescom Charges								
		Each	4				4	15000.00	60000.00
	Sub-Total for CSR 2018-19								43758223.00
	Applicable GST Charges 12% on CSR 2018-19								5250987.00
	Detailed Project Reports (DPR) Charges 1%								490092.00
	Project Management and Quality Control (PMC) Charges 1%								490092.00
	Miscellaneous and unforeseen charges								10606.00
	Grand Total Amount Rs.								50000000.00
	(Rupees Five Hundred Lakhs Only)								

CERTIFICATE

1) The site has been inspected and the work is found to be necessary.
2) The rates adopted are as per PW.P IWTD SR of 2018-19 and Approved Data Rate of Bangalore Circle.
3) The provisions were made in this estimate are necessary and adequate.
4) The area comes under the Bruhat Bengaluru Mahanagara Palike Limits.
5) This work is not repeated in any other Programs or Grants

Technical Sanction
Accorded For RS500 Lakhs
Head of A/C. P.1878
CER NO :.1.1.1..... Dt:28.08.2020
TA I — CE (YNK)

Consultant
For Civil Prime Consultants and
Engineers

Assistant Engineer

Assistant Executive Engineer
Yelahanka Sub-Division
B.B.M.P

Assistant Engineer

Executive Engineer
Yelahanka - Division
Bruhat Bengaluru Mahanagara Palike
Yelahanka, Division

Administrative Sanction for Rs. 500.00 Lakhs
Rupees Five Crores Only
is accorded under head P.1878
Registered as CE No. 69 Subject
to conditions contained in enclosed memo
No BBMP/EE/YNK/AS/69/2020-21 Dt. 17/11/2020

Executive Engineer